



Intro to Digital Photo



Aperture



Shutter Speed



ISO



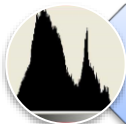
Bracketing & Metering



Camera Tricks



Photo
Portraits



Histograms



Lightroom Presets



Photo-Journalism



Photo-Collage



Photo-Sculpture

PAHS Digital Photography I

UNIT 1: Intro to Digital Photo

Essential Questions: Why is photography important? What makes a photograph successful? How has photography evolved historically?

Objectives: SWBAT discuss the importance of photography as a medium, the historical evolution of photography, the elements and principles of art and design as well as the “rules” of photography that indicate why certain photographs are successful. SWBAT describe the basics of camera-holding and posture and will make & use contact sheets to review and critique their own work and the work of their peers.

UNIT 2: Aperture

Essential Questions: How does the camera’s aperture affect a photograph and other settings on the camera? How can a photographer manipulate aperture to his/her advantage?

Objectives: SWBAT describe the function of camera apertures and what affects different apertures will have on a photograph. SWBAT describe how aperture and shutter speed are linked. SWBAT take precise notes about their camera settings for each exposure.

UNIT 3: Shutter Speed

Essential Questions: How does the camera’s shutter speed affect a photograph and other settings on the camera? How can a photographer manipulate shutter speed to his/her advantage?

Objectives: SWBAT describe the function of camera shutter speeds and what effects

different speeds will have on a photograph. SWBAT describe how aperture and shutter speed are linked. SWBAT take precise notes about their camera settings for each exposure.

UNIT 4: ISO

Essential Questions: How does ISO rating relate to light sensitivity? Why is film referred to as “fast” or “slow”? Why would a photographer use a “fast” or “slow” film?

Objectives: SWBAT how a film’s ISO ratings relates to its light sensitivity. SWBAT describe conditions that would necessitate the use of a “faster” or “slower” film. SWBAT describe the different photographic results produced when using films with different ISO ratings.

UNIT 5: Bracketing & Metering

Essential Questions: What does a camera’s meter do for the camera, and what does it do for the photographer? Why does a photographer use bracketing and what is the difference between bracketing and reciprocity?

Objectives: SWBAT select an appropriate meter for their scenes. SWBAT demonstrate how to “bracket” a photograph and describe why a photographer might use this technique. SWBAT take descriptive notes to record their bracketing process. SWBAT describe how bracketing is different from reciprocity and give examples to support this definition.

UNIT 6: Camera Tricks

Essential Questions: Why would a photographer want to bend or fracture light in a photograph?

Objectives: SWBAT create a photograph using a “trick” that manipulates light as it enters the lens.

UNIT 7: Photo Portraits

Essential Questions: How can a photographer “co-create” a photograph with the subject and why/when is it important to do this? What is the difference between a portrait and an illustration?

Objectives: SWBAT create a photographic portrait with some degree of co-creation with the subject.

UNIT 8: Histograms

Essential Questions: What photographic data does a histogram record and how are histograms helpful to photographers?

Objectives: SWBAT explain what a photograph will look like after viewing a histogram. SWBAT identify the “clipping” in a photograph and explain how to better expose a photograph based on the histogram information.

UNIT 9: Lightroom Presets

Essential Questions: How do filters change an image?

Objectives: SWBAT explain how filters (at the processing stage—via Lightroom) work. SWBAT note the way that a filter changes an image’s histogram.

UNIT 10: Photo-Journalism

Essential Questions: What do good photojournalists do; in other words, what is the job of a photojournalist?

Objectives: SWBAT explain the role of photojournalists in society. SWBAT describe the purpose and characteristics of a photo essay including the importance of captions.

UNIT 11: Photo-Collage

Essential Questions: How do photo-collages change the concept of “framing” a photograph?

Objectives: SWBAT explain the freedom that photo-collage gives photographers to “re-frame” their photos. SWBAT explain how photo-collage can be stylistically similar to Cubism.

UNIT 12: Photo-Sculpture

Essential Questions: How can a tunnel book enhance a photograph?

Objectives: SWBAT explain how tunnel books can produce the illusion of enhanced depth. SWBAT explain and demonstrate the basic construction of an accordion book.